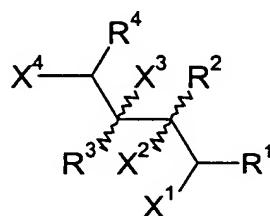


## Removal of horny substances from hides of dead animals

## Abstract

- 5 horny substances are removed from hides of dead animals by a process wherein the hides of dead animals are treated with at least one substance of the formula I



- 10 or at least one corresponding alkali metal, alkaline earth metal, ammonium or phosphonium salt,

where

- 15 R<sup>1</sup> and R<sup>4</sup> are identical or different and are selected from hydrogen, C<sub>6</sub>-C<sub>14</sub>-aryl and C<sub>1</sub>-C<sub>12</sub>-alkyl, unsubstituted or substituted by one or more SH or OH groups,  
R<sup>2</sup> and R<sup>3</sup> are identical or different and are selected from hydrogen, C<sub>6</sub>-C<sub>14</sub>-aryl and C<sub>1</sub>-C<sub>12</sub>-alkyl, unsubstituted or substituted by one or more SH or OH groups,  
at least one radical R<sup>2</sup> or R<sup>3</sup> not being hydrogen  
20 or R<sup>1</sup> and R<sup>4</sup> not being hydrogen,  
and it being possible in each case for two vicinal radicals R<sup>1</sup> to R<sup>4</sup> together to be C<sub>3</sub>-C<sub>10</sub>-alkylene,  
R<sup>5</sup> is selected from hydrogen, C<sub>1</sub>-C<sub>12</sub>-alkyl, H-C=O or C<sub>1</sub>-C<sub>4</sub>-alkyl-C=O,  
25 X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup> and X<sup>4</sup> are selected from OH, SH and NHR<sup>5</sup>, where,  
if R<sup>1</sup> to R<sup>4</sup> contain at least one sulfur atom, at least one radical X<sup>1</sup> to X<sup>4</sup> is SH,  
and, if R<sup>1</sup> to R<sup>4</sup> contain no sulfur atom, at least two radicals X<sup>1</sup> to X<sup>4</sup> are SH.